

ABSTRACT OF THE DISCLOSURE

A 3D image reproduction apparatus including a display and an optical system is described.

The display includes a screen on which a plurality  
5 of pixels are arranged to display synthesis parallax  
images in units of arrayed sub regions. Each of the  
pixels includes three sub pixels that differ in color,  
and the sub pixels are laid out so that adjacent sub  
pixels differ in color. The optical system arranged in  
10 front of the screen of the display, forms a 3D image  
from synthesis parallax images displayed on the screen  
in units of arrayed sub regions.